

19981003.qrp v01_n233.qrs.981003

Date: Sat, 3 Oct 1998 19:03:11 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 1233

QRP-L Digest 1233

Topics covered in this issue include:

- 1) [21392] Re: Home Brew Keys, was: NEED AN EXTERMINATION TEAM
by "W. Kimura" <w.kimura@valley.net>
- 2) [21393] Re: [TenTec] QRP 40 Meter Kit (1340)
by "Karl Heimbach" <heimbach@concentric.net>
- 3) [21394] picture or drawing of a toroidal inductor?
by "David Ek" <ekdave@earthlink.net>
- 4) [21395] VE7 vacation QUESTION
by jmbrown@edge.net (JERRY BROWN)
- 5) [21396] Re: NEED AN EXTERMINATION TEAM
by wa8rxi@juno.com (Rick Arzadon)
- 6) [21397] Re: QRP-L digest 1232
by "Douglas L Datwyler" <datwyler@aros.net>
- 7) [21398] Re: Bugs mating call
by "Rud Merriam" <rmerriam@csi.com>
- 8) [21399] msg to Joel Malman/WA1QVM
by Scott Howell <whowell@hq.nasa.gov>
- 9) [21400] Key and/or oscillator
by "C. Lamar Derk" <n3at@epix.net>
- 10) [21401] Re: Mizuho and Nishi Exporter
by "Caitlyn M. Martin" <cait.martin@ibm.net>
- 11) [21402] Zombie Promotion
by dave_epps@juno.com
- 12) [21403] S&S M1 on Hold?
by Tim Ahrens <tahrens@inetport.com>
- 13) [21404] Fox: Announcing the KY Foxhunters
by "Rich Dailey, KA8OKH" <ka8okh@som-uky.campus.mci.net>
- 14) [21405] Re: Home Brew Keys, was: NEED AN EXTERMINATION TEAM
by Dick Blaney <wb8mhe@bright.net>
- 15) [21406] Re: NEED AN EXTERMINATION TEAM
by we6w@juno.com (Ed Loranger)
- 16) [21407] N6WG back on line
by Robert Tellefsen <n6wg@earthlink.net>
- 17) [21408]
by herr@ridgecrest.ca.us (Michael Herr)
- 18) [21409] Horizontal Loops
by Rick Sealey <rsealey@InfoAve.Net>
- 19) [21410] Re: Fox: Announcing the KY Foxhunters

- by we6w@juno.com (Ed Loranger)
- 20) [21411] FOX: Ohio Fox Hunters
by Shepherd@aol.com
- 21) [21412] FS: TenTec Argosy IID (525D) w/extras
by "Gary M. - W2UX" <MAIL4GARY@worldnet.att.net>
- 22) [21413] Re: Bugs mating call
by Paula Bailey <pmbail01@ox.slug.louisville.edu>
- 23) [21414] Re: Bugs mating call
by Paula Bailey <pmbail01@ox.slug.louisville.edu>
- 24) [21415] Loop antenna feed
by w4pj@w4bkx.ampr.org
- 25) [21416] NorCal 40A SOLD... THANKS!!!
by "Tim Cook" <timcook@erinet.com>
- 26) [21417] Re: Key and/or oscillator
by "Steve Hurst" <shurst@magiclink.com>
- 27) [21418] Re: NEED AN EXTERMINATION TEAM
by ARDUJENSKI@aol.com
- 28) [21419] Loops
by utahfolk@konnections.com
- 29) [21420] Re: Key and/or oscillator *Correction*
by wpc@west.net (John L. Roblin / Whiterook Products Co.)
- 30) [21421] Re: Loops
by "david r" <elbc@pivot.net>
- 31) [21422] Re: PCB drills, etc.
by "Dennis Payton" <dpayton@fwi.com>
- 32) [21423] End-fed half wave antenna & Rainbow-type tuner
by Arjen Raateland <Arjen.Raateland@vyh.fi>
- 33) [21424] KEY COMPARISONS
by marion@montana.com
- 34) [21425] Icom 730 to QRP?
by MKBalvanz@aol.com
- 35) [21426] 40 mtr Fox Hunt Teams (fwd)
by Bruce Rattray <rattray@gpfn.sk.ca>
- 36) [21427] Speed-X Key??
by Tom McCuen <tjmc@erols.com>
- 37) [21428] Re: 40 mtr Fox Hunt Teams (fwd)
by "John L. Sielke" <n4js@pobox.com>
- 38) [21429] Re: 40 mtr Fox Hunt Teams (fwd)
by "John L. Sielke" <jsielke@pobox.com>
- 39) [21430] MFJ 75 meter rig
by Maurywdm@aol.com
- 40) [21431] Re: Speed-X Key??
by "david r" <elbc@pivot.net>
- 41) [21432] 40 mtr Fox Hunt Teams (fwd)
by Bruce Rattray <rattray@gpfn.sk.ca>
- 42) [21433] Re: KEY COMPARISONS
by N9DD@aol.com
- 43) [21434] Compact Loop

by Tmcfadden@aol.com
44) [21435] Link coupled ATUs while waiting for the potato soup to get
done &c
by nilsbull@juno.com (Nils R Young)
45) [21436] RS 440 HT problem
by RangerSF5@aol.com
46) [21437] Kite antenna hamming at the NC Outer Banks-- the results
by "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>

Date: Fri, 02 Oct 1998 19:01:50 -0400
From: "W. Kimura" <w.kimura@valley.net>
To: qrp-l@lehigh.edu
Subject: [21392] Re: Home Brew Keys, was: NEED AN EXTERMINATION TEAM
Message-ID: <199810022301.TAA21358@orford.valley.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>Date: Fri, 02 Oct 1998 19:12:15
>To: MJC191@aol.com
>From: "W. Kimura" <w.kimura@valley.net>
>Subject: Re: Home Brew Keys, was: NEED AN EXTERMINATION TEAM
>
>Sounds like an inovative assembly!
>
>73, Kim Kimura N1MVU
>
>At 10:45 AM 10/2/98 EDT, you wrote:
>>My favorite key, which I use every day, is something I made from a stainless
>>steel steak knife blade with its wooden handle epoxied to a nice wood base. A
>>small brass bolt is fitted thru a hole drilled (actually ground...the
>>stainless was too hard to drill) at the end of the blade; the head of the bolt
>>serves as the upper key contact and a nice bakelite knob is threaded onto the
>>shaft. The lower key contact is a penny epoxied in place with a wire soldered
>>to it; the wire runs in a channel routed out underneath the wood base to a
>>phone jack for the key line; I confess to stealing this idea from Whiterook!
>>It works great!
>>
>>72 Mike NA1XX \ Weymouth Mass.
>>
>

Date: Fri, 2 Oct 1998 18:03:46 -0500

From: "Karl Heimbach" <heimbach@concentric.net>
To: "Steve Ellington" <n4lq@iglou.com>
Cc: <qrp-1@Lehigh.EDU>
Subject: [21393] Re: [TenTec] QRP 40 Meter Kit (1340)
Message-ID: <000901bdee58\$f349ba70\$620505ac@pentium>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Steve,

Read your post concerning clicks and improvement by removal of C1. I tried it this afternoon with no luck. Still have clicks (I suspect what I'm hearing is actually from the audio-derived AGC). Rig doesn't transmit without it, so getting ready to put it back in.

Thanks for the suggestion though.

Karl - W5QJ

-----Original Message-----

From: Steve Ellington <n4lq@iglou.com>
To: <k5rov@wcc.net>; TenTec <tentec@contesting.com>
Date: Saturday, September 26, 1998 12:50 PM
Subject: Re: [TenTec] QRP 40 Meter Kit (1340)

>

>REMOVE C-1. That will stop the clicks and may help the sidetone. Also, if
>you hear clicks in the sidetone then you can be sure you are transmitting
>them too.

>

>Steve Ellington
>Amateur Radio Operator N4LQ

>-----Original Message-----

>From: James Parsons <k5rov@wcc.net>
>To: TenTec <tentec@contesting.com>
>Date: Saturday, September 26, 1998 11:57 AM
>Subject: [TenTec] QRP 40 Meter Kit (1340)

>

>

>>

>>I just completed the 1340 40 meter CW transceiver and it went together
>>easily, and works fine, for the most part. But I do have three problems.
>>I wonder if anyone else has run into these?

>>

>>1. The tuning range is 77 Khz. That makes for very, very touchy tuning.
>>
>>2. When the transmitter section is first keyed, the sidetone increases
>>in amplitude after a couple of seconds. If it is keyed while sending CW,
>>you can hear the jumping up and down in strength (not frequency).
>>However, the R.F. output appears to be clean and stable.
>>
>>3. When the key is depressed, a click is heard on the sidetone. That
>>makes for difficult high speed CW.
>>
>>Thanks and best 73,
>>
>>Jim, K5ROV
>>
>>--
>>
>>James (Jim), Parsons, K5ROV USAF, Ret. 57 yrs a HAM
>>k5rov@wcc.net QCWA, NWQRP, Fists, ARRL
>>EX: W1RLA, K5FBB, K4FEO, SV0WN (CRETE), SV0WN (RHODES),
>>DL4NC, DL4JP, KA2FC (JAPAN), KA2JP (JAPAN).
>>JOHN 3:16
>>
>>--
>>FAQ on WWW: <http://www.contesting.com/tentecfaq.htm>
>>Submissions: tentec@contesting.com
>>Administrative requests: tentec-REQUEST@contesting.com
>>Problems: owner-tentec@contesting.com
>>Search: <http://www.contesting.com/km9p/search.htm>
>>
>>
>
>
>--
>FAQ on WWW: <http://www.contesting.com/tentecfaq.htm>
>Submissions: tentec@contesting.com
>Administrative requests: tentec-REQUEST@contesting.com
>Problems: owner-tentec@contesting.com
>Search: <http://www.contesting.com/km9p/search.htm>
>
>

Date: Fri, 2 Oct 1998 17:23:32 -0600
From: "David Ek" <ekdave@earthlink.net>
To: <qrp-1@Lehigh.EDU>

Subject: [21394] picture or drawing of a toroidal inductor?
Message-ID: <000501bdee5b\$ac9f5640\$1dab85ce@davidek>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang,

Does anyone with a scanner have a picture or drawing of a toroidal inductor you'd be willing to scan for me and send me a gif (bmp, etc.)? I'm teaching a class (we're building the SW+) and want to include it on one of the viewgraphs. I don't have a scanner, which is why I appeal to the generosity of a list member.

tnx es 72 de Dave AB0GO

Date: Fri, 02 Oct 1998 18:40:17 -0500
From: jmbrown@edge.net (JERRY BROWN)
To: qrp-l@Lehigh.EDU
Subject: [21395] VE7 vacation QUESTION
Message-ID: <36156461.78EC@edge.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

The wife and I will be vacationing in VE7 beginning early next week...

es I have the QRP rig and W6MMA (thanks Vern) STL vertical ready to go...

QUESTIONS:

- 1- Current regs for US ham ops in Canada es how to sign call on cw?
- 2- Any ham events coming up?
- 3- Any good ham stores to check out around Vancouver? Vancouver Is.?

Around 15th or 16th we'll be off to Pacificom, unless we're having too much fun.

72,

Jerry N4EO/ Angie N6DXW in TN

Date: Fri, 02 Oct 1998 20:05:21 EDT
From: wa8rxi@juno.com (Rick Arzadon)
To: w.kimura@valley.net
Cc: qrp-l@Lehigh.EDU
Subject: [21396] Re: NEED AN EXTERMINATION TEAM
Message-ID: <19981003.000716.4775.0.WA8RXI@juno.com>

Better know as a "Sideswiper"
72, Rick Arzadon - WA8RXI Taylor, MI.

=====
On Fri, 02 Oct 1998 07:10:32 -0400 "W. Kimura" <w.kimura@valley.net>
writes:
>Once had a qso with a guy that described his key as a piece of hacksaw
>blade on a block of wood!

>"Saw Key" operators arise! ;0)
>
>72,
>
>Kim Kimura N1MVU

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Or call Juno at (800) 654-JUNO [654-5866]

Date: Fri, 2 Oct 1998 18:21:46 -0600
From: "Douglas L Datwyler" <datwyler@aros.net>
To: <qrp-l@Lehigh.EDU>
Subject: [21397] Re: QRP-L digest 1232
Message-ID: <01bdee63\$ce51c400\$4718adcf@datwyler>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

2 Oct 1998

Those who will be doing JOTA. I will be doing as much JOTA as I can. I have a Varsity Coach so far, and an unknown number of ME just wanting to help Scouts get a Radio merit badge.

My strategy is to just take the info sheet I asked for from Boy Scouts of America severla months ago and wait for or make calls on or near the suggested frequencies.

Douglas Datwyler WR70
datwyler@aros.net
Sandy, UT

Date: Fri, 2 Oct 1998 19:19:56 -0500
From: "Rud Merriam" <rmerriam@csi.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [21398] Re: Bugs mating call
Message-ID: <018901bdee64\$1e3e94c0\$99e0aec7@sisyphus>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Sorry to rain on your jargon file definition of programming bug but the term is literally correct. The late Rear Admiral Grace (Amazing Grace) Hopper actually found a bug inside a malfunctioning computer. She taped it into her engineering notebook. I believe the Smithstonian (sp?) now has it.

Rud Merriam KD5DTV
rmerriam@csi.com

-----Original Message-----
From: Paula Bailey <pmbail01@ox.slug.louisville.edu>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Date: Friday, October 02, 1998 11:43 AM
Subject: Re: Bugs mating call

>On Fri, 2 Oct 1998, Larry B wrote:
>
>> You can always tell a bug by its odd
>> mating call. Daaaaaaahditdit dit
>> Ac5ez
>
>What's rather funny...
>
>The other day, I was looking through the Jargon File (basically a list of
>programmer slang and computer jargon) and there is now a lot of evidence
>to suggest that the etymology (entomology? ;) of the term "bug" as used
>for software bugs, etc. *probably* ultimately comes from the "bugs" used
>to send CW.
>
>-pb
>
>
>

Date: Fri, 02 Oct 1998 20:32:00 -0400
From: Scott Howell <whowell@hq.nasa.gov>
To: qrp-1@lehigh.edu
Subject: [21399] msg to Joel Malman/WA1QVM
Message-ID: <3.0.5.32.19981002203200.007d04b0@mail.hq.nasa.gov>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I think Joel is on this list and well can't find his E-mail address.
In any case wanted him to know the bug is in the mail. Went via UPS this
evening.
Pse let me know when it arrives.

tnx es 72/73
Scott/n3byy
Laurel MD

Date: Fri, 02 Oct 1998 20:27:39 -0400
From: "C. Lamar Derk" <n3at@epix.net>
To: qrp-1@lehigh.edu

Subject: [21400] Key and/or oscillator
Message-ID: <36156F7B.1D5D@epix.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello all -

We are running a QRP net on 2 meters here in the Pocono Mountain area, and would like to start code practice sessions on our net. To do this, we will need audio oscillators, and straight keys for participants. Can anyone direct us to a source for LOW COST keys and oscillator kits? We would like to make the oscillator kits a club project - we will meet in one of the science labs at East Stroudsburg University and assemble the kits as a group. Any info anyone can provide will be much appreciated.

72 de Lamar, N3AT

Date: Fri, 02 Oct 98 20:45:18
From: "Caitlyn M. Martin" <cait.martin@ibm.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>, "muchida@postman.riken.go.jp" <muchida@postman.riken.go.jp>
Subject: [21401] Re: Mizuho and Nishi Exporter
Message-ID: <199810030047.AAA269708@out2.ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

On Fri, 2 Oct 1998 15:59:59 +0900 (JST), Masayuki Uchida wrote:

>Dear QRPers outside JA:

>

>I received many E-mails about Mizuho and Nishi products. Unfortunately,
>Mizuho has no Internet access and cannot reply to the direct message from
>outside JA. However, I can introduce you an exporter of Mizuho and Nishi
>products.

Hi, Masayuki,

I think I speak for many when I say thank you for the information. I may, indeed, see if I can bring a 12 meter HT into this country in a few months.

The Mizuho MX series HTs are type accepted, as is the THP HT-750, so

importation is not a problem. Unfortunately, customs can take a Nishi or P series Mizuho product from us. Now, if I were sure I could get those without problems, they would be most tempting.

By the way, my HT-750 arrived and has a really nice receiver. I will be on the air with it tomorrow to see what it can do on 15 meters.

Thanks again and 72,
Caity
KU4QD

Caitlyn M. Martin	"They have computers, and may have
cait.martin@ibm.net	other weapons of mass
http://www.angelfire.com/nc/caitmartin	destruction" -Janet Reno

Date: Fri, 2 Oct 1998 18:11:19 -0700
From: dave_epps@juno.com
To: qrp-1@Lehigh.EDU
Subject: [21402] Zombie Promotion
Message-ID: <19981002.181119.9966.3.dave_epps@juno.com>

The theme of the squaredance at Hanford saturday is "Crazy T-Shirt Night".
Guess what the Xyl & I will be wearing. Would be nice to see other Zombies there.
dave ab5pc fresno, ca.

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Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Fri, 02 Oct 1998 20:14:21 -0500
From: Tim Ahrens <tahrens@inetport.com>
To: qrp-1@lehigh.edu
Subject: [21403] S&S M1 on Hold?
Message-ID: <36157A6D.71428EAB@inetport.com>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Did someone post to the list that their M1 transceiver was on hold,
or did I just imagine it? Just checked their web site, and all's
still 'on schedule'.

Just wondering

Thanks,

Tim W5FN

Date: Sat, 03 Oct 1998 01:30:45 -0400
From: "Rich Dailey, KA8OKH" <ka8okh@som-uky.campus.mci.net>
To: qrp-l@Lehigh.EDU
Subject: [21404] Fox: Announcing the KY Foxhunters
Message-ID: <3.0.16.19981003013003.08877c68@som-uky.campus.mci.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

THE KENTUCKY FOXHUNTERS -

Rich, KA8OKH
Dave, NU4N

Any others? Let me know before Wednesday.
...Rich

Rich Dailey, KA8OKH <ka8okh@som-uky.campus.mci.net>
The KA8OKH / KB4NPI Web - <http://www.qsl.net/ka8okh>

Date: Fri, 02 Oct 1998 21:56:38 -0400
From: Dick Blaney <wb8mhe@bright.net>
To: w.kimura@valley.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>, Dick Blaney
<wb8mhe@bright.net>
Subject: [21405] Re: Home Brew Keys, was: NEED AN EXTERMINATION TEAM

Message-ID: <36158456.14FA30F7@bright.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi All,
This is my first post since joining the list. Looks good. And about strange
'pump'
keys, try:
<http://www.mindspring.com/~johnmb/na4g10.htm>
Hope he used some kind of wire to make contact with the key contacts.
73
Dick, WB8MHE
wb8mhe@bright.net

W. Kimura wrote:

> >Date: Fri, 02 Oct 1998 19:12:15
> >To: MJC191@aol.com
> >From: "W. Kimura" <w.kimura@valley.net>
> >Subject: Re: Home Brew Keys, was: NEED AN EXTERMINATION TEAM
> >
> >Sounds like an inovative assembly!
> >
> >73, Kim Kimura N1MVU
> >
> >At 10:45 AM 10/2/98 EDT, you wrote:
> >>My favorite key, which I use every day, is something I made from a stainless
> >>steel steak knife blade with its wooden handle epoxied to a nice wood base. A
> >>small brass bolt is fitted thru a hole drilled (actually ground...the
> >>stainless was too hard to drill) at the end of the blade; the head of the bolt
> >>serves as the upper key contact and a nice bakelite knob is threaded onto the
> >>shaft. The lower key contact is a penny epoxied in place with a wire soldered
> >>to it; the wire runs in a channel routed out underneath the wood base to a
> >>phone jack for the key line; I confess to stealing this idea from Whiterook!
> >>It works great!
> >>
> >>72 Mike NA1XX \ Weymouth Mass.
> >>
> >

Date: Fri, 02 Oct 1998 21:57:45 EDT

From: we6w@juno.com (Ed Loranger)
To: ARDUJENSKI@aol.com
Cc: qrp-1@Lehigh.EDU
Subject: [21406] Re: NEED AN EXTERMINATION TEAM
Message-ID: <19981002.185055.7967.24.we6w@juno.com>

Au Contraire Noble Alan. The Straight key and Bug work in concert with eachother. The bug is in the manual key class with the Straight key. No external components or batteries.

Obviously the Bugs are gonna run circles around them thar straight keys matey. But we got bigger fish to fry! Now we gotta stop those "A-Paddlin' from 'A-Babblin'"! Yup! them hams with them-thar dit and dot completing mechanisms. It just ain't rahhht.

A QRP'ers keyer needs no external power. You might say that Paddle ops have QRO Keys! Hmmmmm.

And us Manual/Semi-automatic key users "Don't need to worry about KEYING POLARITY or keyer Output voltages etc!!"

"You don't need a machine gun to scope the fox,
A musket is more sporting -- My musket just loads faster --
ergo, we use Bugs"

Maybe your team can be the "Wrist-Rockin' Foxers"?
Fox-tappers?
Tappin' foxers?
Foxing Nobelmen?

How about the "J38 Class Hounds" Ha,ha,ha,ha,,,ha,.whoooo.
:) :) 8D

Ahh, healthy competition. Lovin' it!

"72" Ed, Member, "Vibro-Fox Finders".
--

On Fri, 2 Oct 1998 01:15:33 EDT ARDUJENSKI@aol.com writes:
>OK OK all this talk about BUG TEAMS...I think the straight key folks
>need to
>form a team of strategicly placed operators to stomp out the BUGS!
>
>Enuff is enuff. These pesky critters need to be exterminated. So how
>about it
>you STRAIGHT KEY people? It is time to rise up and take hold of the

>situation.
>Do we have some good old brass pounders left?
>
>Alan KB7MBI
>
>
72, Ed WE6W QRP-Z#106 <http://www.qsl.net/we6w>
Enjoying Ham Radio every day! Santa Rosa, CA.

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Or call Juno at (800) 654-JUNO [654-5866]

Date: Fri, 02 Oct 1998 19:01:35 +0000
From: Robert Tellefsen <n6wg@earthlink.net>
To: QRP-L@Lehigh.EDU
Subject: [21407] N6WG back on line
Message-ID: <3615230F.31A6@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Finally got my new email account going, so I'm back on line. I've noticed this system downloads a digest slower than when I was on an ethernet connection.

I think I'm going to be more sympathetic to those who complain about excessive quoting. Just slows the download :-)

Anyway, feels good to be back.

73, Bob N6WG

Date: Fri, 2 Oct 1998 18:58:31 -0700 (PDT)
From: herr@ridgecrest.ca.us (Michael Herr)
To: qrp-l@Lehigh.EDU, kfglynn@prodigy.ne
Message-ID: <v01530501b23abbe2eda1@[208.138.143.11]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I'm for it, count me in!

72

Mike WA6ARA

>

>How about this for an idea? Maybe a QRP SSB on 20M sometime? Nothing
>formal, just something we can try one day? Can be tough on kilowatt alley
>during the weekends, but maybe it can be done? What do you say gang?

>

>72 Kevin N2T0

>Brooklyn, NYC

>kfglynn@prodigy.net

Date: Fri, 02 Oct 1998 22:19:13 -0400

From: Rick Sealey <rsealey@InfoAve.Net>

To: qrp-1@Lehigh.EDU

Subject: [21409] Horizontal Loops

Message-ID: <1.5.4.32.19981003021913.00e0c468@mail.infoave.net>

MIME-version: 1.0

Content-type: text/plain; charset="us-ascii"

Nice little thread, here.

Those interested might want to look at the September issue of 73 Magazine for an article on this subject. "The Incredible Lazy Loop" by Ed Van Overloop, WA2UGT, rather than being an in-depth technical treatise, is a report of observations and comparisons of horizontal loops vs. other commonly used antennas over a span of time.

While it's anything but a scientific study, it is not the usual opinion article where somebody merely oogles over some new toy they just bought. The author relates his experiences, and those of several others in his group, in a rather comprehensive manner.

Pretty good!

Rick - W4SEA

Date: Fri, 02 Oct 1998 22:35:47 EDT

From: we6w@juno.com (Ed Loranger)

To: ka8okh@som-uky.campus.mci.net
Cc: qrp-1@Lehigh.EDU
Subject: [21410] Re: Fox: Announcing the KY Foxhunters
Message-ID: <19981002.192350.7967.26.we6w@juno.com>

Cool! The Kentucky Foxhunters! We are getting some great participation in the hunt this year!

Good Luck Rich and Dave. Hope you get one more to join your team.

Tally Ho!

```
+-----+
| **   Vibro-Fox Finders   **   |
| WE6W, N7MFB, KU7Y, WB5QYT, K2VCO |
| Ed   Bill   Ron   Tom   VIC   |
+-----+
```

--
72, Ed WE6W QRP-Z#106 <http://www.qsl.net/we6w>
Enjoying Ham Radio every day! Santa Rosa, CA.

On Sat, 03 Oct 1998 01:30:45 -0400 "Rich Dailey, KA8OKH"
<ka8okh@som-uky.campus.mci.net> writes:
>THE KENTUCKY FOXHUNTERS -
>
>Rich, KA8OKH
>Dave, NU4N
>
>Any others? Let me know before Wednesday.
>...Rich
>
>
>Rich Dailey, KA8OKH <ka8okh@som-uky.campus.mci.net>
>The KA8OKH / KB4NPI Web - <http://www.qsl.net/ka8okh>
>
>
>

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Fri, 2 Oct 1998 23:13:51 EDT
From: Shephed@aol.com

To: qrp-1@lehigh.edu
Subject: [21411] FOX: Ohio Fox Hunters
Message-ID: <3826c166.3615966f@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Introducing the Ohio Fox Hunters. (name yet to be announced)

Ron, N8VAR
Rick, WB6JBM
Dan, N8VZU

"We are the hunters, and you are crunchy"

72
Dan, N8VZU
QRPl #1404
Collector of all things Pepsi

Date: Fri, 02 Oct 1998 23:20:00
From: "Gary M. - W2UX" <MAIL4GARY@worldnet.att.net>
To: qrp-1@Lehigh.EDU
Subject: [21412] FS: TenTec Argosy IID (525D) w/extras
Message-ID: <3.0.5.16.19981002232000.3c676332@postoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hey Guys,

Found this out on the web and thought someone might be interested. I have not connection with this individual.

Immaculate QRP Rig ! Ten-Tec Argosy II 525D
Make: Ten-Tec Model: Argosy II Price: \$400.00
Fantastic QRP Rig. Immaculate! Complete with matching power supply,
MFJ 910B antenna
tuner. Covers 80-40-30-20-15-10. CW and SSB. Includes optional 4-pole
crystal cw filter (Model
217), optional audio cw filter (Model 224). Receiver sens. 0.3 uv for
10 dB S+N/N. Transmitter RF
Power Output: 40-50 watts in HI pwr position, 4-5 watts in LO
position. Full break-in. Rig
completely checked out and calibrated by Ten-Tec in 1996. Very rare

and this one is incredible!

\$400 obo plus shipping. Money Order only.

Contact info: / cosmos41@ix.netcom.com (TX) 10/01/98 Ad Number: 654

=====

72/73

Gary - W2UX

Lexington, SC

CW is the REAL Thing!!

Use it or Lose it.

=====

Date: Fri, 2 Oct 1998 23:39:44 -0400 (EDT)

From: Paula Bailey <pmbail01@ox.slug.louisville.edu>

To: Vic Rosenthal <rakefet@rakefet.com>

Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [21413] Re: Bugs mating call

Message-ID: <Pine.LNX.3.96.981002233509.23523B-100000@ox.slug.louisville.edu>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 2 Oct 1998, Vic Rosenthal wrote:

> Paula Bailey wrote:

> >

> > The other day, I was looking through the Jargon File (basically a list of
> > programmer slang and computer jargon) and there is now a lot of evidence
> > to suggest that the etymology (entomology? ;) of the term "bug" as used
> > for software bugs, etc. *probably* ultimately comes from the "bugs" used
> > to send CW.

>

> Not true. Here's one account (sorry, I can't attribute it):

>

> Rear Admiral Grace Hopper, US Navy (Rtd) (often cited as the world's first
> professional, paid-for-programming, programmer), began her career on the Naval
> Ordnance Computer Project at Harvard during World War II. The machine was
> offically called the Automatic Sequence Controlled Calculator, or ASCC, and
> contained bank upon bank of relays to act as switches.

>

> More popularly known as the Harvard Mk1, it was devised and run by a martinet,
> Howard Aiken. He insisted that everything that occurred to his precious machine
> was entered into a log. One hot afternoon, a fault arose. Grace Hopper traced
> it to a particular bank of relays, where she found a dead - electrocuted - moth
> caught between the jaws of one relay.

>
> She took the moth out, stuck it solemnly in the log, wrote the time by the side
> of it and, underneath, her first claim to immortality - "De-bugging".

Actually (the Jargon File does mention this, btw) the bug was found in a relay, and the moth was taped in the log with statement "First instance of actual bug found". This was listed as the origin of the term in early versions of the Jargon File, as well as in the Hacker's Dictionary.

Research by folks compiling the Jargon File found out that the term has actually apparently been used (as far as "debugging equipment") in pre-computer days, though. This lead to a forward from folks on a mailinglist where folks collect old telegraphy equipment, when they tried to trace roughly how far back the term "bug" has been used for an error. :)

I'll probably go ahead and mail on the relevant entry in the Jargon File, as it contains more info on attributions and whatnot.

> Vic, K2VCO

-pb

Date: Fri, 2 Oct 1998 23:43:45 -0400 (EDT)
From: Paula Bailey <pmbail01@ox.slug.louisville.edu>
To: Vic Rosenthal <rakefet@rakefet.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [21414] Re: Bugs mating call
Message-ID: <Pine.LNX.3.96.981002234146.23570A-1000000@ox.slug.louisville.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Here is that bit in the Jargon File that mentions bugs (as in the ham-radio-related kind :) causing bugs (as in the oops-it-goofed kind).

-pb

<article forward from Jargon File follows>

Logo

bug

n. An unwanted and unintended property of a program or piece of

hardware, esp. one that causes it to malfunction. Antonym of feature. Examples: "There's a bug in the editor: it writes things out backwards." "The system crashed because of a hardware bug." "Fred is a winner, but he has a few bugs" (i.e., Fred is a good guy, but he has a few personality problems).

Historical note: Admiral Grace Hopper (an early computing pioneer better known for inventing COBOL) liked to tell a story in which a technician solved a glitch in the Harvard Mark II machine by pulling an actual insect out from between the contacts of one of its relays, and she subsequently promulgated bug in its hackish sense as a joke about the incident (though, as she was careful to admit, she was not there when it happened). For many years the logbook associated with the incident and the actual bug in question (a moth) sat in a display case at the Naval Surface Warfare Center (NSWC). The entire story, with a picture of the logbook and the moth taped into it, is recorded in the "Annals of the History of Computing", Vol. 3, No. 3 (July 1981), pp. 285--286.

The text of the log entry (from September 9, 1947), reads "1545 Relay #70 Panel F (moth) in relay. First actual case of bug being found". This wording establishes that the term was already in use at the time in its current specific sense -- and Hopper herself reports that the term 'bug' was regularly applied to problems in radar electronics during WWII.

Indeed, the use of 'bug' to mean an industrial defect was already established in Thomas Edison's time, and a more specific and rather modern use can be found in an electrical handbook from 1896 ("Hawkin's New Catechism of Electricity", Theo. Audel & Co.) which says: "The term 'bug' is used to a limited extent to designate any fault or trouble in the connections or working of electric apparatus." It further notes that the term is "said to have originated in quadruplex telegraphy and have been transferred to all electric apparatus."

The latter observation may explain a common folk etymology of the term; that it came from telephone company usage, in which "bugs in a telephone cable" were blamed for noisy lines. Though this derivation seems to be mistaken, it may well be a distorted memory of a joke first current among *telegraph* operators more than a century ago!

Or perhaps not a joke. Historians of the field inform us that the term "bug" was regularly used in the early days of telegraphy to refer to a variety of semi-automatic telegraphy keyers that would send a string of dots if you held them down. In fact, the Vibroplex keyers (which were among the most common of this type) even had a graphic of a beetle on them! While the ability to send repeated dots automatically was very useful for professional morse code operators, these were also

significantly trickier to use than the older manual keyers, and it could take some practice to ensure one didn't introduce extraneous dots into the code by holding the key down a fraction too long. In the hands of an inexperienced operator, a Vibroplex "bug" on the line could mean that a lot of garbled Morse would soon be coming your way.

Actually, use of 'bug' in the general sense of a disruptive event goes back to Shakespeare! In the first edition of Samuel Johnson's dictionary one meaning of 'bug' is "A frightful object; a walking spectre"; this is traced to 'bugbear', a Welsh term for a variety of mythological monster which (to complete the circle) has recently been reintroduced into the popular lexicon through fantasy role-playing games.

In any case, in jargon the word almost never refers to insects. Here is a plausible conversation that never actually happened:

"There is a bug in this ant farm!"

"What do you mean? I don't see any ants in it."

"That's the bug."

A careful discussion of the etymological issues can be found in a paper by Fred R. Shapiro, 1987, "Entomology of the Computer Bug: History and Folklore", *American Speech* 62(4):376-378.

[There has been a widespread myth that the original bug was moved to the Smithsonian, and an earlier version of this entry so asserted. A correspondent who thought to check discovered that the bug was not there. While investigating this in late 1990, your editor discovered that the NSWC still had the bug, but had unsuccessfully tried to get the Smithsonian to accept it -- and that the present curator of their History of American Technology Museum didn't know this and agreed that it would make a worthwhile exhibit. It was moved to the Smithsonian in mid-1991, but due to space and money constraints has not yet been exhibited. Thus, the process of investigating the original-computer-bug bug fixed it in an entirely unexpected way, by making the myth true! -- ESR]

t2r@Uwasa.Fi
University of Vaasa, Finland
Compiled at 28.04.1996

Date: Fri, 02 Oct 1998 23:32:11 EDT
From: w4pj@w4bkx.ampr.org
To: qrp-1@Lehigh.EDU
Subject: [21415] Loop antenna feed
Message-ID: <24605@w4bkx.ampr.org>

I have used coax to feed a full-size 80m Vertical Deltaloop feeding it in the lower corner through a 2:1 H/Brew transformer. It worked fine (I thought at the time). It is presently resting in a plastic tub awaiting resurrection after Hurricane Georges. I changed the feed system when I upgraded to Extra a number of years ago. I Changed to tuned feeders (450 ohm window-line) fed approx. 1/4 wavelength from the apex (60ft) and noticed improved signals from Europe (It is broadside EU/VK-ZL). I don't think I can attribute the better signals and reports to a lower loss feedline, as at that freq 3.5MHz the coax losses would be quite low anyway. Maybe the transformer had some loss but I really think the improvement was from a more vertical polarization resulting in a lower radiation angle. Better for DX, but not quite as good for short haul stateside contacts (FL to GA, TN etc.). A low dipole worked better for 500-600 mile stuff when broadside N/S. (and I mean LOW - 10ft support poles) So... low horz wire = high take-off angle, short haul vertical polarization = low take-off angle, better DXing. However, if you just gotta have both, it's good to use a relay to ground the unused antenna so it will not sympathetically resonate and corrupt the other antenna's performance. Been using loops for a long time and love'em. Gonna resurrect the QUAD soon. (Anybody have a good working modelling program willing to run a cpl of variations for me? Want to have 3 el 20/17 and additional 4th elements for 10/12/15 on 15ft boom. or maybe 3 el 15/17/20 with 4th 10/12.??? <the sound of head scratching, smell of wood burning -Har!> HMMMMMMM.....

de Scott / W4PJ
Ft. Lauderdale, FL <EL96vd> QRP-L #1585 (Pres. SFDXA)
----- 73 -----

Date: Sat, 3 Oct 1998 00:05:00 -0400
From: "Tim Cook" <timcook@erinet.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [21416] NorCal 40A SOLD... THANKS!!!
Message-ID: <00ac01bdee82\$fe7ff600\$b57f5acf@timcook.erinet.com>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

The NorCal 40A I had for sale has been sold. Thanks for all the inquiries...

Tim
NZ8J

Date: Fri, 2 Oct 1998 22:12:33 -0600
From: "Steve Hurst" <shurst@magiclink.com>
To: <n3at@epix.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [21417] Re: Key and/or oscillator
Message-ID: <199810030412.AAA48002@nss4.cc.Lehigh.EDU>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Lamar,

Have you checked out WPC's (Whiterook Products Co.) stuff ?? Check them out , I think they produce CPO kits ?? Oh... the URL ??

<http://www.west.net/~wpc>

I believe, if not follow the link to their home page from my swinging web site on my links page . Good luck.....

73,
Steve Hurst
KA7NOC (southern Idaho)
<http://www.magiclink.com/web/shurst>
shurst@magiclink.com

" I'm cooler than you are. Why don't you fix your little problem and light this candle ?"
Alan B. Shepard

> From: C. Lamar Derk <n3at@epix.net>
> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
> Subject: Key and/or oscillator

> Date: Friday, October 02, 1998 6:27 PM
>
> Hello all -
>
> We are running a QRP net on 2 meters here in the Pocono Mountain area,
> and would like to start code practice sessions on our net. To do this,
> we will need audio oscillators, and straight keys for participants. Can
> anyone direct us to a source for LOW COST keys and oscillator kits? We
> would like to make the oscillator kits a club project - we will meet in
> one of the science labs at East Stroudsburg University and assemble the
> kits as a group. Any info anyone can provide will be much appreciated.
>
> 72 de Lamar, N3AT
>

Date: Sat, 3 Oct 1998 01:42:02 EDT
From: ARDUJENSKI@aol.com
To: we6w@juno.com
Cc: qrp-1@Lehigh.EDU
Subject: [21418] Re: NEED AN EXTERMINATION TEAM
Message-ID: <22cce7a8.3615b92a@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Psssssssssst....Ahhh...bug spray. In the words of some famous ham...Real hams use straight keys and paper logs! Engarde..cw at fifty paces at dawn. Hey, a wrist splint is small price to pay for good old fashion hamming.No pain no gain I always say.

I am getting KEYED up for this FOX SEASON. There are a lot of the straight keys coming out of the closet (or drawers) for this face off.

As we chat here more of the group are secretly emailing me about joining forces. *7040 or fight* is the chant. Hey that ham neighbor of yours might just be one of them...better stay alert.

You will recognize us by our irregular sending. Some have developed a talent of sending to the beat of our favorite music. HA..try that you little insects...err..bugs...The hour draws near. Troops. Don't fire...err send until you hear the clicks of their bugs.

Alan KB7MBI

Date: Sat, 03 Oct 1998 02:46:11 -0700
From: utahfolk@konnections.com
To: qrp-1@Lehigh.EDU
Subject: [21419] Loops
Message-ID: <3615F263.6002@konnections.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

A lot has been written about loop antennas. Some of it not so.

A large loop is one whose circumference is at least one wavelength at the frequency of operation. This discussion relates to large loops.

Reasonably resonant is a term used to mean that a practical network can be built to match the antenna feedpoint impedance to a common coaxial line.

A half wave dipole at frequency F is reasonably resonant at its odd harmonics: 3F, 5F, 7F, etc. The only practical case in the HF ham bands is: a 40M (7mhz) dipole works on 15M (21mhz). Some try 30M dipoles on 10M too. But in general not a lot of multibands from a dipole.

Consider now the half wave folded dipole, this is a dipole in which the impedance of the feed point goes up by a factor of about 4. The antenna consists of two parallel half wave wires spaced quite closely and connected at each end. A feedline connects to the midpoint of one of the half wave wires. The total circumference or perimeter of this folded dipole is one wavelength of wire. The enclosed area is equal to one half wave times the distance between the two half wave wires. For our discussion, hardly any area at all ... call it ZIP! This folded dipole behaves just like any halfwave dipole when operated harmonically ... it is reasonably resonant on its odd harmonics only.

Now take this folded dipole and "open" up the area enclosed by the two half wave wires. The maximum area you can enclose using a fixed length of wire is when the geometry is a circle. If you analyze a circular loop you discover it is reasonably resonant on ALL harmonics, you can match it quite easily on all the ham bands to coax. But a circular loop takes an infinite number of skyhooks (kinda expensive if perchance somewhat impractical) so settle for a square (1/4 wavelength of wire on each side -- at the lowest frequency of operation), takes four skyhooks, more likely to be found or accomplished.

The impedance/matching problem has moved back towards that of the folded dipole, but a square is still quite large so the characteristics are much closer to the perfect loop than the ZIP area folded dipole. A square is 80%-ish of the area enclosed by the wire in a circular configuration. Make a loop triangular, rectangular (off square) and you move closer to the folded dipole and it's more restricted impedances ... so, what's the rule: When you put up a loop, enclose the maximum area possible ... use as many corners as you can, but don't settle for anything less than a square if you don't have to stay as far away from the folded dipole ZIP area as you practically can.

The plane of a loop is that plane containing the loop wire. These loops are thus viewed as two dimensional objects.

A one wavelength loop (this frequency is called the design or fundamental frequency) in free space has a dipole pattern normal to the plane of the loop ... that is, it radiates max perpendicular to the loop plane. At the second harmonic, the pattern splits into four lobes and these lobes move towards the plane of the loop. A similar effect occurs at each higher harmonic, the number of lobes and nulls increases. The lobes (max values) fold towards the plane of the loop.

Result -- here is antenna that operates all bands (tuning wise) and whose patterns fold into the plane of the loop as the frequency is increased. What happens if you mount the loop vertically?

It radiates perpendicular to the plane of the loop (thus at a somewhat low angle above the earth horizon) on it's fundamental, but the lobes fold into the plane of the loop (begin to radiate towards the sky) as the frequency is increased.

What happens if you mount a loop horizontally? The pattern on the fundamental frequency has lots of high angle signal, but not worse than a corresponding dipole!, for all practical purposes they are the same. As you increase the frequency the lobes fold down into the plane of the loop (down towards the DX horizon!) and gain increases.

Conclusion: If you hang a loop vertically you limit it's practical use to one band (the fundamental design frequency band) and most loop users have been taught this use for a loop. They perform super well ... but are single band loops for DX purposes.

If you hang a loop horizontally, you have dipole illumination of the sky but as you move to the harmonics (which are easily matched)

the lobes move into DX elevations and shazzam you have a multiband DX monster!

Thus, if you work one band, hang the loop vertically. If you intend to work many/multi bands, hang the loop horizontally. The gain is actually a bit more in the horizontal mode!

For years folks have said the horizontal loop is a "cloud warmer" and doesn't give much DX results they have never USED a horizontal loop harmonically! In fact, until about 1980 or so, most loops users were sold the mount them vertical story. In 1985 a fella wrote an article called the LOOP SKYWIRE, a very practical presentation of the horizontal loop and an article that has been copied, "borrowed and rehashed as original text" by more than one folk out there! First published in November 1985 QST and since about 1990 included in the ARRL Radio Amateurs Handbook and the ARRL Antenna Handbook. Hundreds and possibly thousands of (horizontal) loop users have discovered this antenna to be the best multiband antenna they've ever used and few seldom take it down or remove it! I know of folks who took their beams down before their loops!

The great advantage of the loop is that it can be operated as a grounded antenna (feed with coax) and thus does not suffer the major wipeout of precip static. Perhaps the most significant parameter is the loop has a considerable improvement in S/N ratio, in that it's response to noise is often 3-4 S-units lower than verts and dipoles. You hear things you haven't heard before.

Feeding the horizontal loop is essentially your choice, the feedpoint impedance at the mid of one side of a square loop is a bit higher than at a corner, but feed a foot or so off the corner so you don't have to combine feedline mechanics with those of corner support mechanics ...

There is a fundamental rule about horizontal loops: If you can hear them you can work them! 100 watts will do quite nicely! Go read the sidebar in the original LOOP SKYWIRE article where W8BO comments about his loop! 5BDXCC! He uses RG58 coax to feed it!

This writer's experience with loops goes back to 1957 and there is no antenna that beats it in my experience! I have many first place plaques, certs and listings in contests, many QRP! If you are interested in seeing the 160M version, check UPFRONT QST either Feb 96 or 97, the picture of the flat loop that took 4th place worldwide, made 50 WAS in 39 hours, and set the record for number of ARRL Sections worked (70) in the 1994 ARRL 160M DX

contest

.... QRP! A calibrated 4.8 watts on 160M ... warmin' them clouds!!!!

The more of you who believe the popular "loops are cloud warmers"
propaganda

the stronger my signal will remain on the band. Don't put up a loop!

Use

a dipole, a vertical or a random wire ... loops don't work, they attract lightning, bugs and birds. Neighbors don't like them either, and they radiate into your phone lines, cause TVI and BCI and one case of GDI (Garage Door Interference) ... I think I heard some Doctor say they cause brain twomores and mebbe pizza cravings! So, loops are hazardous!

Don't put up a loop! Keep your antennas close to the ground. Load your extension ladder and getta 8KW furnace AMP !!

.... de Dave NC7W Huntsville, UT (way back when wuz w0mhs)

Date: Sat, 3 Oct 1998 03:18:50 -0500

From: wpc@west.net (John L. Roblin / Whiterook Products Co.)

To: qrp-l@lehigh.edu

Subject: [21420] Re: Key and/or oscillator *Correction*

Message-ID: <v01530502b23b8ce02cdb@[205.254.241.234]>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

>>Have you checked out WPC's (Whiterook Products Co.) stuff ?? Check them

>>out , I think they produce CPO kits ?? Oh... the URL ??

>>

>><http://www.west.net/~wpc>

TNX Steve for mentioning us!! However, the URL is incorrect. It is:

<http://www.west.net/~wpc>

72, -John

John Roblin WA6KY0

Whiterook Products Company

"Mini-Keys and Other Cool Things!"

<http://www.west.net/~wpc/>

Date: Sat, 3 Oct 1998 06:24:56 -0400
From: "david r" <elbc@pivot.net>
To: <utahfolk@konnections.com>, "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [21421] Re: Loops
Message-ID: <00a801bdeeb8\$1245cf40\$d71199d0@elbc>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Thanks dave,
As soon as I get my support back up my 160m loop goes back up also.. found about the same thing you have... with them , best rx ant.. great tx too... ICE took mine down last winter, not because of the wire but because the trees I was using actually snapped
73 Dave KC1DI..
Qrp dxcc (all 40 and 30 meters 4 watts) ,winner low band section 1997 qrp arci fall qso party , first place 10 meter, (1978 Cq world wide Wpx ssb contest Qrp From Japan,) All this with the Horizontal loops.
But I'm with dave keep thinking it's a cloud warmer.. at lest till dave and I get a few more peices of paper to hang on the wall , HI..

Date: Wed, 2 Sep 1998 08:32:05 -0500
From: "Dennis Payton" <dpayton@fwi.com>
To: <qrp-1@Lehigh.EDU>
Subject: [21422] Re: PCB drills, etc.
Message-ID: <000901bdd676\$1432cb00\$94b054d1@Pdpayton>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

My experiences using a small drill press with carbide bits weren't so positive. I've settled on high speed steel in a variable speed Dremmel tool.

I use the small variable chuck that Dremmel sells and usually drill all my

holes with a 1/32" bit purchased from the local hardware store. If any holes need to be larger, the 1/32" makes a nice pilot hole. I plug my fixed speed tool into an outlet fed by a light dimmer and run it as slow as I can without losing speed or stopping when going through a hole and let about 1/4" of the bit stick out of the chuck. Holding the board in one hand and the drill sort of like a pencil in the other hand I can get my head down there and quickly line up the holes. (Maybe averaging 2-4 seconds per hole?) And I've always been happy with the lifespan of the bits. The slow speed evidently does alot to extend their life.

72,

Denny Payton, N9JXY
Auburn, IN

Date: Sat, 03 Oct 1998 13:36:31 +0000
From: Arjen Raateland <Arjen.Raateland@vyh.fi>
To: QRP-L <QRP-L@Lehigh.EDU>
Subject: [21423] End-fed half wave antenna & Rainbow-type tuner
Message-ID: <36161A4F.7AC2@vyh.fi>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

In a private email message L.B. Cebik sent some notes about an end-fed half-wave antenna with a tuner of the Rainbow type. I expect these notes to be interesting to other Rainbow owners as well. LB kindly gave permission to distribute the notes to the list.

Note: 'Tank circuit' denotes the parallel LC circuit in the Rainbow tuner.

Quote-----:

A 1/2 wl antenna fed at the end will have a high R and a high X. Unlike the center-fed position, where the impedance changes very slowly as you lengthen or shorten the antenna, the end fed position undergoes very large changes of both R and X for very small changes of length--or very small changes in the influences on the antenna from its environment.

At precisely 1/2 wl--which no real antenna ever is quite--the reactance is zero, but a tiny bit either side, it goes to 20K+ ohms either inductive or capacitive. Then it falls rapidly down to the 1K region.

The resistance can easily reach 5K to 7K ohms at $1/2 \lambda$.

Most real antennas, whatever length they are cut, will not be exactly $1/2 \lambda$ in use, due to the influence of surrounding objects. What they will be is likely an unknown. The ground plane wires in this system actually form a part of the antenna (a useless part for radiation) and the tank circuit is actually to be measured up from the electrical end of the ground plane wire(s). Because the wires are on the ground, determining the exact electrical end is not feasible. Hence, the tank circuit is actually at some unknown point up the antenna--which I am assuming from your description, is directly fed from the tuner with no parallel feedline in the circuit.

Because the tank circuit is up the antenna wire, the impedance values it meets are lower than the $1/2 \lambda$ peaks, but how much lower cannot be predicted. Essentially, the system is a cut-and-try. Attempts to reduce this system to a set of equations simply do not work. However, because the tank circuit is not at a pure $1/2 \lambda$ peak point, it sees lower values of R and X in most cases--but still usually in the high-Z class.

The tuner is simply a tank circuit with the antenna/"ground" terminals across the tank. The transmitter taps make the inductor an auto-transformer. The capacitor can match a fairly wide range of reactances if resonance with a resistive circuit is about midrange. The reactance is tuned out by reducing or increasing the capacitance relative to the amount needed for resonance when the load is resistive. In addition, the capacitor being offset from resonance slightly (apart from reactance compensation) changes the coupling coefficient to the tapped section slightly, altering the impedance transformation from normal, thus giving a wider range of matching capability than just 4 values. In this way, it is similar to link coupling. This generally allows a match under 2:1 SWR on at least one tap, except for the loads with the highest reactance.

In essence, there are better antenna tuner circuits and better antennas, but the end fed approximately $1/2 \lambda$ wire plus the simple tuner makes an easy field antenna system. And field ease is important on a short outing.

Hope these notes help.

-73-

LB, W4RNL

End Quote-----

LB has also written a collection WWW-pages where he explains a lot of

antenna/tuner issues with graphs: <http://web.utk.edu/~cebik/radio.html>

73, oh2zaz

--

Arjen Raateland
SAS Support
Finnish Environment Institute, Helsinki

AX.25: OH2ZAZ@OH2RBI.FIN.EU

Date: Sat, 3 Oct 1998 09:42:22 -0600 (MDT)
From: marion@montana.com
To: qrp-1@Lehigh.EDU
Subject: [21424] KEY COMPARISONS
Message-ID: <199810031542.JAA28360@paw.montana.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I haven't seen much on how Hams rate their Norcal key kits. I use mine all the time. Its the narrow spaced version. I have installed silver plated relay contacts on it, which has eliminated the intermittent problem I was having. The other paddles I have are Bencher and an MFJ. The Norcal paddles work much better for me and have a much nicer "feel". I am interested in the opinions of others who have other keys to compare to. Post to the list for the benefit of all. Roy AB7CE

Date: Sat, 3 Oct 1998 11:16:16 EDT
From: MKBalvanz@aol.com
To: qrp-1@Lehigh.EDU
Subject: [21425] Icom 730 to QRP?
Message-ID: <f8845839.36163fc0@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi gang!

I saw a post recently that caught my eye. It seems that the TS 50 can be adjusted to qrp levels by turning a pot on the board. That got me thinking, I

wonder if my IC-730 works the same way. I got out the service manual, and sure enough there are three pots in there, one labeled low power adjust, a high power adjust and AM power adjust. The 730 has fully adjustable output power so, I'm guessing that what the pots do is set the range, but I'm not sure on this. Does anyone have any experience with this rig that could confirm my theory or point out my error? I'm trying to get ready for the Novice foxhunt. It might be nice to use the Icom, but I am working on a homebrew transmitter, so I might try that.

Any help is appreciated.
Matthew KC0AYG Ames, IA

Date: Sat, 3 Oct 1998 09:21:17 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-l@Lehigh.EDU>
Subject: [21426] 40 mtr Fox Hunt Teams (fwd)
Message-ID: <Pine.LNX.3.95.981003090108.17083C-1000000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

....here's the latest info re the Teams as of Saturday morning...72 Bruce
(VE5RC+VE5QRP) QRP-L#886 qrp-c#1

(1) - Vibro-Fox Finders - (naw, I'm not going to touch that one.. ;-) !!)
- Ed - WE6W
- Bill - N7MFB
- Ron - KU7Y >> got ur banjo ready Ron? << :-)
- Tom - WB0QYT
- Vic - K2VCO

(2) - Fox Nabbers - (a veteran Team so I hear)
- Doc - K0EVZ
- Dave - W0CH - Team Leader. (take me to your.....)
- Tim - W5FN

(3) - the Canadian Team so far - name not picked yet -
- Paul - VE7CQK
- Jeff - VA3JFF
- Earl - VE6EWM
- Fred - VE3FAL
- Armin - VE3TEQ
- Bruce - VE5RC

(4) - the Kentucky Foxhunters -

- Rich - KA8OKH
- Dave - NU4N

*** still room for more here - contact either Rich or Dave!

(5) - the Ohio Fox Hunters - official name to be announced -

- Ron - N8VAR
- Rick - WB6JBM
- Dan - N8VZU

- we have Roy, AB7CE, in Montana...maybe Roy could join the Kentucky Foxhunters?? or the Ohio group?? ...get in touch with Roy ASAP!

- so this is where we are at this point in time folks...looks like the Teams are going to have a GREAT pile 'a FUN!....any more?...let me know please by mid-day October 6th if you can...if we have Teams forming up later than October 6th, that's ok too...if a later-forming Team misses a hunt, well that's the way the cookie crumbles...BE HAPPY!... HI HI...72
- Bruce(VE5RC+VE5QRP)

Date: Sat, 03 Oct 1998 11:33:55 -0400
From: Tom McCuen <tjmc@erols.com>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [21427] Speed-X Key??
Message-ID: <361643E3.33376A15@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I just found a key at a garage sale

It's a SPEED-X , dark brown bakelite rectangular base and knob, abt 5" long by 2"w.

Obvious it wasn't an expensive key when it was made, but I only paid a \$1 for it (how could any ham leave a poor lonely key in with the junk).

Just looking for a little info on it, I like to know abt the keys I adopt.

tnx

72/73

Tom

Date: Sun, 04 Oct 1998 12:34:31 -0600
From: "John L. Sielke" <n4js@pobox.com>
To: <rattray@gpfn.sk.ca>
Cc: <qrp-1@Lehigh.EDU>
Subject: [21428] Re: 40 mtr Fox Hunt Teams (fwd)
Message-ID: <199810031627.MAA75332@nss4.cc.Lehigh.EDU>

May as well add the NJ Team (tentatively named the Jersey Diddles, since no one else suggested a name)

N2CX - Joe
W2GUM - Tony
N2TO - Kevin
N4JS - John

Date: Sun, 04 Oct 1998 12:39:10 -0600
From: "John L. Sielke" <jsielke@pobox.com>
To: <rattray@gpfn.sk.ca>
Cc: <qrp-1@Lehigh.EDU>
Subject: [21429] Re: 40 mtr Fox Hunt Teams (fwd)
Message-ID: <199810031631.MAA58566@nss4.cc.Lehigh.EDU>

May as well add the NJ Team (tentatively named the Jersey Diddles, since no one else suggested a name)

N2CX - Joe
W2GUM - Tony
N2TO - Kevin
N4JS - John

Date: Sat, 3 Oct 1998 13:48:29 EDT
From: Maurywdm@aol.com

To: qrp-1@Lehigh.EDU
Subject: [21430] MFJ 75 meter rig
Message-ID: <c89ab158.3616636d@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Wonder if any of you folks have used the MFJ 9075. I think that is the number. This rig is about 10 watts SSB on 75 meters. I would likely be using an end fed wire for an antenna.

I would be using this to keep a sked between Louisville, Ky and Janesville, Wi.

Any incites would be appreciated. I am very happy with my 9040 and am hoping the quality to these rigs is similar. Have seen reviews of the 9020 here, but not the 9075.

thanks

Mauzy
WA4CND

Date: Sat, 3 Oct 1998 14:17:54 -0400
From: "david r" <elbc@pivot.net>
To: <tjmc@erols.com>, "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [21431] Re: Speed-X Key??
Message-ID: <001301bdeefa\$34696900\$5a3d62ce@elbc>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

-----Original Message-----

From: Tom McCuen <tjmc@erols.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Date: Saturday, October 03, 1998 11:50 AM
Subject: Speed-X Key??

>I just found a key at a garage sale

>
>It's a SPEED-X , dark brown bakelite rectangular base and knob, abt 5"
>long by 2"w.
>
>Obvious it wasn't an expensive key when it was made, but I only paid a
>\$1 for it (how could any ham leave a poor lonely key in with the junk
>).
>
>Just looking for a little info on it, I like to know abt the keys I
>adopt.
>
>tnx
>72/73
>Tom

Hi Tom,
Check out Neal's telegraph office at
<http://fohnix.metronet.com/~nmcewen/ref.html>
73 dave kc1di

Date: Sat, 3 Oct 1998 12:44:43 -0600 (CST)
From: Bruce Ratray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-l@lehigh.edu>
Subject: [21432] 40 mtr Fox Hunt Teams (fwd)
Message-ID: <Pine.LNX.3.95.981003122311.30043B-1000000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

....not to be outdone, the New Jersey "JERSEY DIDDLES" have stood up to
be recognized as another Team to be reckoned with!...terrific!... 72
Bruce (VE5RC+VE5QRP) QRP-L#886 QRP-C#1

(1) - Vibro-Fox Finders - (naw, I'm not going to touch that one.. ;-) !!)
- Ed - WE6W
- Bill - N7MFB
- Ron - KU7Y >> got ur banjo ready Ron? << :-)
- Tom - WB0QYT
- Vic - K2VCO

(2) - Fox Nabbers - (a veteran Team so I hear)
- Doc - K0EVZ

- Dave - W0CH - Team Leader. (take me to your.....)
- Tim - W5FN

(3) - the Canadian Team so far - name not picked yet -

- Paul - VE7CQK
- Jeff - VA3JFF
- Earl - VE6EWM
- Fred - VE3FAL
- Armin - VE3TEQ
- Bruce - VE5RC

(4) - the Kentucky Foxhunters -

- Rich - KA80KH
- Dave - NU4N

*** still room for more here - contact either Rich or Dave!

(5) - the Ohio Fox Hunters - official name to be announced -

- Ron - N8VAR
- Rick - WB6JBM
- Dan - N8VZU

(6) - the Jersey Diddles -

- Joe - N2CX
- Tony - W2GUM
- Kevin - N2T0
- John - N4JS

- BIG RUMOUR!.....seems like some ops don't have a liking for BUGS and think that the BUGS should be EXTERMINATED!....headed by Alan, KB7MBI, a yet-to-be-announced Team is undergoing secret training in extermination techniques.....I wonder if they'll be called the "RAID EXTERMINATORS?" the only comment reported from the BUGS was, and I quote "rraaaaAAAIIDDD!?!". at which point the BUGS disappeared, probably to go over their strategy.

- we have Roy, AB7CE, in Montana, I say again ->>>MONTANA folks! ...we can't let Roy get away!...maybe Roy could join the Kentucky Foxhunters?? or the Ohio group?? ...OR with one more station form his own Team!?!
...get in touch with Roy ASAP!

- so this is where we are on Saturday afternoon...batteries are being charged, spare batteries are being purchased, emergency power supply sources are being developed... keys and paddles are being cleaned, polished and honed to a keen edge, stores all over the North American continent are selling out of antenna wax as the tension mounts!!....any more?...let me know please by mid-day October 6th if you can...if we have Teams forming up later than October 6th, that's ok too...if a later-forming Team misses a hunt, well that's the way the cookie crumbles...form up and join the FUN...BE HAPPY!... HI HI...72

- Bruce(VE5RC+VE5QRP)

Date: Sat, 3 Oct 1998 15:15:07 EDT
From: N9DD@aol.com
To: QRP-L@Lehigh.EDU
Subject: [21433] Re: KEY COMPARISONS
Message-ID: <613b5b23.361677bb@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

In a message dated 10/3/98 11:00:10 AM US Eastern Standard Time,
marion@montana.com writes:

<< I haven't seen much on how Hams rate their Norcal key kits. >>

I love mine and use it all the time. At Dayton, a couple years ago, I bought a Vibroplex Brass Racer. It is a beautiful paddle, but I never got comfortable with it. It just didn't fit my hand right.

The K8FF key fits "just right". It has a good, snappy feel to it. I have had no problems with intermittent contacts.

72,

Tom N9DD
South Bend, IN
<http://members.aol.com/n9dd>

Date: Sat, 3 Oct 1998 15:21:25 EDT
From: TMcfadden@aol.com
To: qrp-l@lehigh.edu
Subject: [21434] Compact Loop
Message-ID: <37564644.36167935@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=ISO-8859-1
Content-transfer-encoding: quoted-printable

Content-Transfer-Encoding: quoted-printable

Gr=FCss Gott, from Germany.

Just wanted to ask the group if anyone has build the Compact Loop (30 thro=ugh

12 Meters) in the May 1994 QST. If so, what kinds of reports can you give =me.

If not, tn timer anyw timer for the BW.....

73, de Tim KB2RLB/DA2TF QRP#668

God Bless...

Date: Sat, 3 Oct 1998 14:45:10 -0500

From: nilsbull@juno.com (Nils R Young)

To: QRP-L@lehigh.edu

Subject: [21435] Link coupled ATUs while waiting for the potato soup to get done &c

Message-ID: <19981003.144530.11582.1.nilsbull@juno.com>

Gang,

Cindy's makin' potato soup, the line noise is abominable & I sat down to read some back issues of QQ, most notably the one with the beginnin' of the link coupled ATU articles.

I think I mentioned that I modified a design by Robert van der Zaal (PA3BHK) for a Z-match & came up with something that really works nice. So far . . . But then, recently, in a moment of rare lucid thoughts, I wondered if I might be able to duplicate the beast on a more QRO level. Which brings up two questions . . .

1. Many years ago I think it was Mikey Cz who wrote something for a now moldering QQ about toroid cores being power slurpers & thus very unhelpful in building efficient antenna tuners. And yet . . . and yet, here's all these ATUs tht use toroids. The various incarnations of the Z-match, the Rainbow tuner, the St Louis tuner & others. Like mine. Has the religion of toroids as ATU components changed? Or are we just undoing history?

2. My "big hootie power" antenna tuner is a homebrew version of the "Ultimate Transmatch" that is in every one of the three most recent ARRL handbooks tht I have. (I ain't bought one since about 1975.) I've used that design for over 25 years, since I got out of the USN & stopped working at Drake. But now, if my sense of "rico/suave" is good, I think I

might like to take Robert van der Zaal (PA3BHK)'s Z-match design (as I have modified it) to the QRO station. I've got the massive donuts of ferrite to do it. Two of those 2kW balun cores that aren't in baluns any more. And the caps could come out of the present Ultimate Transmatch box easy enough. I even have some teflon covered wire. Big stuff. Big hootie power stuff.

So here's the deal. If the answer to the first question is something like "Nah, don't worry about it. . . the metal work is better now" or something like that, what are my chances of getting all this thinking stuff up will work?

It sure would be easier. One band switch, two knobs, no taps, & balanced or unbalanced feed with the flimp of a wrist. Or switch or something.

And the box that the present Z-match is in looks so much like a miniature TCS transmitter/receiver cabinet that I bought two more just in case I get weird and want to build a receiver & transmitter in two boxes with old fashioned dials & some other arcane looking stuff (like grid plots of dial points versus frequency, like on the old ART-13s &c). Almost imagine myself sitting in the large white tent, in front of the big boxes of stuff, with a D104 mic in my hand saying "This is Ramar calling Nairobi. Come in Nairobi. . . . " (Who remembers that show?)

Like I'm gonna do that while I'm waiting for Cindy & Ian to figure out how to get me a K2 as a Christmas/Hannuka/Tivalli/Joula/Kwanzaa/Biktaim kolpela weda juju taim present.

73

Nils

Nils R. Bull Young
La Estancia de los Guajolotes Sonrientes :: The Grinnin' Turkey Ranch
WB8IJN &c :: The Tagalong Press :: email to: nilsbull@juno.com
<http://www.geocities.com/Athens/Olympus/9172>

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Sat, 3 Oct 1998 16:08:07 EDT
From: RangerSF5@aol.com
To: qrp-1@Lehigh.EDU

Subject: [21436] RS 440 HT problem
Message-ID: <76ba3846.36168427@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Gang

I have a RS 440 HT and when I turn it on, all I get is *er1* blinking and a beep for every two blinks.

This mean it kicked the bucket?

No TX or RX and no light but the word light is displayed when I press the button.

Anyone know what the er1 means?

Thank you

Bob

WA2HOQ

Date: Sat, 3 Oct 1998 18:02:06 -0400
From: "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>
To: <qrp-1@Lehigh.EDU>, <njqrp@njqrp.org>, <klqpr@waterw.com>, <qgrp-1@blacksheep.org>
Subject: [21437] Kite antenna hamming at the NC Outer Banks-- the results
Message-ID: <199810032200.RAA29916@dfw-ix9.ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello to all:

Returned from out vacation to the Outer Banks and am finally getting a chance to write up the results of my kite-supported antenna. Bottom line -- it worked great!! But we had such nice weather that I could only fly the kite one day -- and only for about an hour.

I set up on the second floor deck overlooking the Atlantic. Flew a 3/4 length vertical attached to my ZM-2 with an equal length counterpoise. Using my 20m SST, Tick Keyer, Whiterook paddles and a gel cell, I made 5 solid contacts -- mostly with FISTS members. Got reports from 449 (Canada) to 589 (IL). These were mostly nice long rag chews -- I had to quit after an hour because my fist got tired :-)

The 3/4 length antenna worked so well that I plan to try it out at home. I'll string it up to a couple tall trees and see what happens. It had a

pretty steep slope when the kite was supporting it -- I'd guess close to 45 degrees. I should be able to do at least that well at home.

I also took my Scout and a 20 m dipole. Hung the dipole as an inverted vee from the 2nd floor deck. Ran the Scout at minimum power -- 4.5 watts or so -- and worked LA8D, OH1AA, SK6FM, SM5IMO, F5UKL EA5DNA across the Atlantic and PY7ICM. Also worked a ham in Louisiana (KC5JS0) who was running a 500 milliwatt transmitter and an old Hallicrafters receiver -- he had a nice solid 559 signal. When I send him my QSL I'll recruit him for the QRP-L list :-). Also worked Jim, N0UR -- only one from the list.

I had great fun in my first attempt at vacation hamming -- thanks again to all who provided advice on the kites.

73/72

Jake [N4UY] Vienna, VA (Washington DC suburbs)

QRP-L #821, G-QRP #9557, AK/QRP #175, CQrp #46,
NJ-QRP #74, NorCal#1457, ARCI #9392, FISTS #3450

WAS QRP W/C 50/49 (no HI card yet)

WAC QRP W/C 6/4

WAS QRPP W/C 17/17 (250 milliwatts on a Pixie II / MRX-40 / Tick Keyer /40m dipole combo)

DXCC-Pixie W/C 002/002

"...the harder the conflict, the more glorious the triumph. That which we attain too cheap, we esteem too lightly." Thomas Paine, 12/23/1776

End of QRP-L Digest 1233

